

09/848,984 3706C (CON) - TAKEN FROM:

Form-PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

Atty Docket No.:

3706

Serial No.:

08/350,297

Applicant:

Hu, et al.

Filing Date:

12/6/94

Group:

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JNA	*	4 7 8 0 4 4 7	10/5/88	Kim et al	523	1243	
JNA	*	4 6 2 4 9 4 12	4/25/86	WATV et al	523	1231	
JNA	*	4 9 6 5 2 4 3	10/23/90	YAMADA et al	528	1244	
JNA	*	3 0 5 7 4 8 3	4/6/91	WATV	523	1231	
JNA	*	4 5 2 4 5 9 8	3/12/87	GND et al	523	1231	
JNA	*	3 9 5 6 1 8 8	5/11/76	HINDIN et al	523	1231	
JNA	*	4 0 2 1 1 8 5	5/3/77	HINDIN et al	431	7	
JNA	*	4 5 8 7 2 3 1	5/6/86	SAWAMURA et al	523	1231	
JNA	*	4 1 8 9 4 0 4	2/9/50	Keith et al	252	123	

\*submitted in related  
previously filed IDS

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Translation
						Yes No

## OTHER ART(Including Author, Title, Date, Pertinent Pages, etc.)

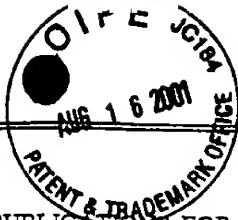

EXAMINER

James A. Hutchins

DATE CONSIDERED

9/19/01

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## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JNA	*	4 1 3 4 8 6 0	1/6/79	HINDEN et al	253/466	—	
JNA	*	4 1 7 1 2 8 8	10/16/79	KEITH et al	254/462	—	
JNA	*	4 7 1 4 6 9 4	12/2/82	WAT et al	502/301	—	
JNA	*	4 7 2 7 0 5 2	7/23/82	WAT et al	502/301	—	
JNA	*	4 7 0 8 9 4 6	11/24/82	OHATA et al	502/301	—	
JNA	*	4 9 2 3 8 4 2	5/8/90	SUMMERS	502/301	—	
JNA	*	4 8 0 8 5 6 4	2/28/89	MATSUMOTO et al	502/303	—	
JNA	*	4 4 3 8 2 1 9	3/20/84	BRANDENBURG et al	502/303	—	
JNA	*	4 4 7 6 2 4 6	10/9/84	KIM et al	502/307	—	
JNA	*	4 5 9 1 5 7 8	5/27/86	Foley et al	502/307	—	
JNA	*	4 5 9 1 5 8 0	5/27/86	KIM et al	502/303	—	

\*submitted in related  
previously filed IDS

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Translation	
							Yes	No
JNA	*	NO 1 2 1 00 3 2	8/22/89	JAPAN	—	—		
JNA	*	AU 6 1 5 7 2 1	2/4/89	AUSTRALIA	—	—		
JNA	*	JP 3 0 7 7 5 44	7/7/88	JAPAN	—	—		
JNA	*	JP 7 1 5 3 8 87	7/2/87	JAPAN	—	—		

\*submitted in related  
previously filed IDS

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)


EXAMINER

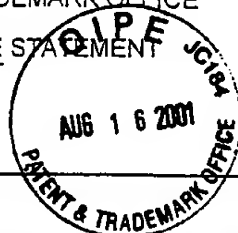
James N. Krichland

DATE CONSIDERED

9/19/01

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO. 3706	SERIAL NO. 08/350,297
	APPLICANT: Hu, et al.	
	FILING DATE: December 6, 1994	GROUP: 1103



## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
JNA	3,896,616*	7/29/75	Keith, et al.	60/274	
JNA	5,106,588*	4/21/92	Sims, et al.	422/180	

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AUG 21 2001  
TC 1700

\*submitted in related previously filed IDS

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
JNA	0 460 542 A2*	12/11/91	EPO	F01N 3/20	X	
JNA	0 613 714 A2*	9/7/94	EPO	B01D 53/36	X	
JNA	WO 96/17671*	6/13/96	PCT	B01D 53/94	X	

related

\*references submitted with/ previously filed Information Disclosure Statement

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

JNA	SAE 932765 A Warm-Up and Underfloor Converter Parametric Study * (October 1993)
JNA	SAE 960796 The Development of a Close Coupled Plus Underfloor Catalyst for a ULEV Application * (1996)

\*submitted with related previously filed IDS

Examiner <i>James N. Stickland</i>	Date Considered <i>9/19/01</i>
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	FILING DATE: December 6, 1994	GROUP:



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

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<i>JNA</i>	3,896,616 *	7/29/75	Keith, et al.	60/274	

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FOREIGN PATENT DOCUMENTS

Examiner Initial	Document number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
<i>JNA</i>	0 387 611 *	9/19/90	EPO	B01D 53/36	X	
<i>JNA</i>	0 399 892 *	11/28/90	EPO	B01J 23/56		X
<i>JNA</i>	0 460 542 A2 *	12/11/91	EPO	F01N 3/20	X	
<i>JNA</i>	0 613 714 A2 *	9/7/94	EPO	B01D 53/36	X	
<i>JNA</i>	2 328 512 *	5/20/77	France	B01J 23/86		X

\*submitted with related previously filed IDS

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)


Examiner <i>James H. Stuchman</i>	Date Considered <i>9/19/01</i>
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09/848,984 3706C (CON) - TAKEN FROM:

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT & TRADEMARK OFFICEINFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

ATTY DOCKET NO. 3706A

SERIAL NO. CPA of  
08/350,297 filed  
December 6, 1994

APPLICANT: Hu, et al.

FILING DATE: January 12, 1998; GROUP: 1103

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate

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TC 1700

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
<i>JNA</i>	WO 98/17071 *	8/13/98	PCT	B01D 53/94	X	

\*submitted in related previously filed IDS

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

<i>JNA</i>	LOW-EMISSION VEHICLE AND ZERO-EMISSION VEHICLE PROGRAM REVIEW, STAFF REPORT, State of California, California Environmental Protection Agency, Air Resources Board, November 1996 *
<i>JNA</i>	DRAFT DISCUSSION PAPER FOR THE LOW-EMISSION VEHICLE AND ZERO-EMISSION VEHICLE WORKSHOP ON MARCH 25, 1994, LOW-EMISSION VEHICLE PROGRAM COSTS, State of California, California Environmental Protection Agency, Air Resources Board *
<i>JNA</i>	CLEAN AIR, Technology News, Summer 1994, Institute of Clear Air Companies, Manufacturers of Emission Controls Association *
<i>JNA</i>	CATALYTIC AIR POLLUTION CONTROL, Commercial Technology by R.M. Heck and R.J. Farrauto, Engelhard Corporation Research & Development, Van Nostrand Reinhold Publishers, Pages 73-111, 1995 *
<i>JNA</i>	SAE 960797 STUDY OF DIVIDED CONVERTER CATALYTIC SYSTEM SATISFYING QUICK WARM UP AND HIGH HEAT RESISTANCE by T. Takada, H. Hirayama, T. Itoh and T. Yaegashi, Toyota Motor Corp., 1996 *
<i>JNA</i>	SAE 961904 WASHCOAT TECHNOLOGY AND PRECIOUS METAL LOADING STUDY TARGETING THE CALIFORNIA LEV MDV2 STANDARD by R. Smaling and S. Sung, Engelhard Corporation and R. Bartlett, General Motors Corp., 1996 *
<i>JNA</i>	SAE 950254, HIGH TEMPERATURE ULTRA STABLE CLOSE-COUPLED CATALYSTS by Z. Hu and R.M. Heck, Engelhard Corporation, 1995 *
<i>JNA</i>	SAE 980663, DEVELOPMENT OF CLOSE-COUPLED CATALYST SYSTEMS FOR EUROPEAN DRIVING CONDITIONS by A. Waltner, G. Loose, A. Hirschmann - Daimler-Benz AG and L. Mußmann, D. Lindner, W. Müller - Degussa AG, 1998 *

\*submitted with related previously filed IDS

Examiner <i>James A. Stuchland</i>	Date Considered <i>9/19/01</i>
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO. 3706A	SERIAL NO. CPA of 08/350,297 filed December 6, 1994
	APPLICANT: Hu, et al.	
	FILING DATE: January 12, 1998	GROUP: 1103



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
JNA	5,597,771 *	1/28/97	Hu, et al.	502/304	

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\*submitted in related previously filed IDS

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
JNA	79110185 *	5/1979	Taiwan		X	
JNA	80104517 *	1991	Taiwan	F01N 3/24	X	
JNA	80214653 *	1980	Taiwan	F01N 3/18		X

\*submitted in related previously filed IDS

\*A copy of what is believed to a corresponding English language patent application has been provided.

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)


Examiner <i>James R. Urquhart</i>	Date Considered <i>9/19/01</i>
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INFORMATION DISCLOSURE STATEMENT PTO-1449 (Modified)

FORM PTO-1449- U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO. 3793	SERIAL NO. 08/576,198
	APPLICANT: Hu, et al.	
	FILING DATE: December 21, 1995	GROUP:

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
<i>JNA</i>	<del>2,896,646</del>	<del>7/29/79</del>	<del>Keith, et al.</del>	<del>60/274</del>	
<i>JNA</i>	<del>4,171,288</del>	<del>10/16/79</del>	<del>Keith, et al.</del>	<del>282/462</del>	
<i>JNA</i>	4,504,598	3/12/85	Ono, et al.	502/303	
<i>JNA</i>	4,624,940	11/25/86	Wan, et al.	502/251	
<i>JNA</i>	4,714,694	12/22/87	Wan, et al.	502/304	
<i>JNA</i>	4,727,052	2/23/88	Wan, et al.	502/327	
<i>JNA</i>	5,057,483	10/15/91	Wan, Chung-Zong	502/304	
<i>JNA</i>	5,106,588	4/21/92	Sims, et al.	422/180	
<i>JNA</i>	5,212,142	5/18/93	Dettling, Joseph C.	502/304	

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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
<i>JNA</i>	0 387 611	9/19/90	EPO	B01D 53/36	X	
<i>JNA</i>	0 399 892	11/28/90	EPO	B01J 23/56		X
<i>JNA</i>	<del>0 460 342 A2</del>	<del>12/11/91</del>	<del>EPO</del>	<del>P01N 3/20</del>	<del>X</del>	
<i>JNA</i>	<del>0 613 714 A2</del>	<del>9/7/94</del>	<del>EPO</del>	<del>B01D 53/36</del>	<del>X</del>	
<i>JNA</i>	2 328 512	5/20/77	France	B01J 23/86		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

<i>JNA</i>	SAE 922338 Distribution of Warm-Up and Underfloor Catalyst Volumes; Ball, D.J. (1992)
<i>JNA</i>	SAE 93054 Novel Catalyst for Treating Exhaust Gases for Internal Combustion and Stationary Source Engines, Bhasin, M. (1993)
<i>JNA</i>	<del>SAE 932766 A Warm-up and Underfloor Converter Parametric Study, Ball, D.J. (Oct 1993)</del>
<i>JNA</i>	<del>SAE 960796 The Development of a Close Coupled Plus Underfloor Catalyst for a ULEV Application, Chen, S.F., Amundson, A.R., Rabinowitz, H.N., Yamada, T. (1996)</del>
<i>JNA</i>	Luccini, E., Meriani, S., & Sbaizero, O. (1989) "Preparation of Zirconia-Ceria Powders by Coprecipitation of a Mixed Zirconium Carbonate in Water with Urea", <u>Int. J. Materials and Products Technology</u> , Vol. 4, No. 2, pp. 167-175

Examiner <i>James R. Highland</i>	Date Considered 9/19/01
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